

Individual Proposal Report

Title Gravel Replacement at Basso Bridge

Number H125

Geographic Area San Joaquin Tributaries/Tuolumne River

Primary Stressor Addressed Channel Form Changes

Project Type Implementation

Applicant Type State

Recommended Funding \$250,975

Cost Share Applicant - in kind and \$22,000

Description Gravel replacement in the Tuolumne River between La Grange Dam and Old Basso Bridge, in order to supplement the coarse sediment supply cut off by La Grange Dam. Spawning gravel is currently limiting to the salmon population in this river reach. During Phase I, 10,000 cubic yards of gravel would be placed at appropriate sites along the bank and allowed to redistribute naturally. Phase II would add an additional 10,000 cubic yards in another area. Benefits would be provided to San Joaquin fall run chinook salmon. Full funding recommended through Phase I construction. Total cost including Phase II construction is \$504,450.

ERPP Linkage

Zone: East San Joaquin Basin

Ecosystem Elements and Targets (T):

Chinook Salmon

- T-1 Maintain average cohort replacement rate of fall-run chinook salmon above 1.0 while stocks rebuilding. Then maintain replacement rates equal to or greater than 1.0 when stocks reach restoration goal levels set by the regulatory agencies. (Volume II, Page 394).

Natural Sediment Supply

- T-1 Maintain existing levels of erosion and gravel recruitment in tributaries or restore desirable levels by directly manipulating/augmenting gravel supplies where natural low flow process has been interrupted (Volume II, Page 387)

Programmatic Action 1B: Evaluate spawning gravel quality in areas used by chinook salmon in Tuolumne River (Volume II, Page 387)